Patent Application

FIG. 1

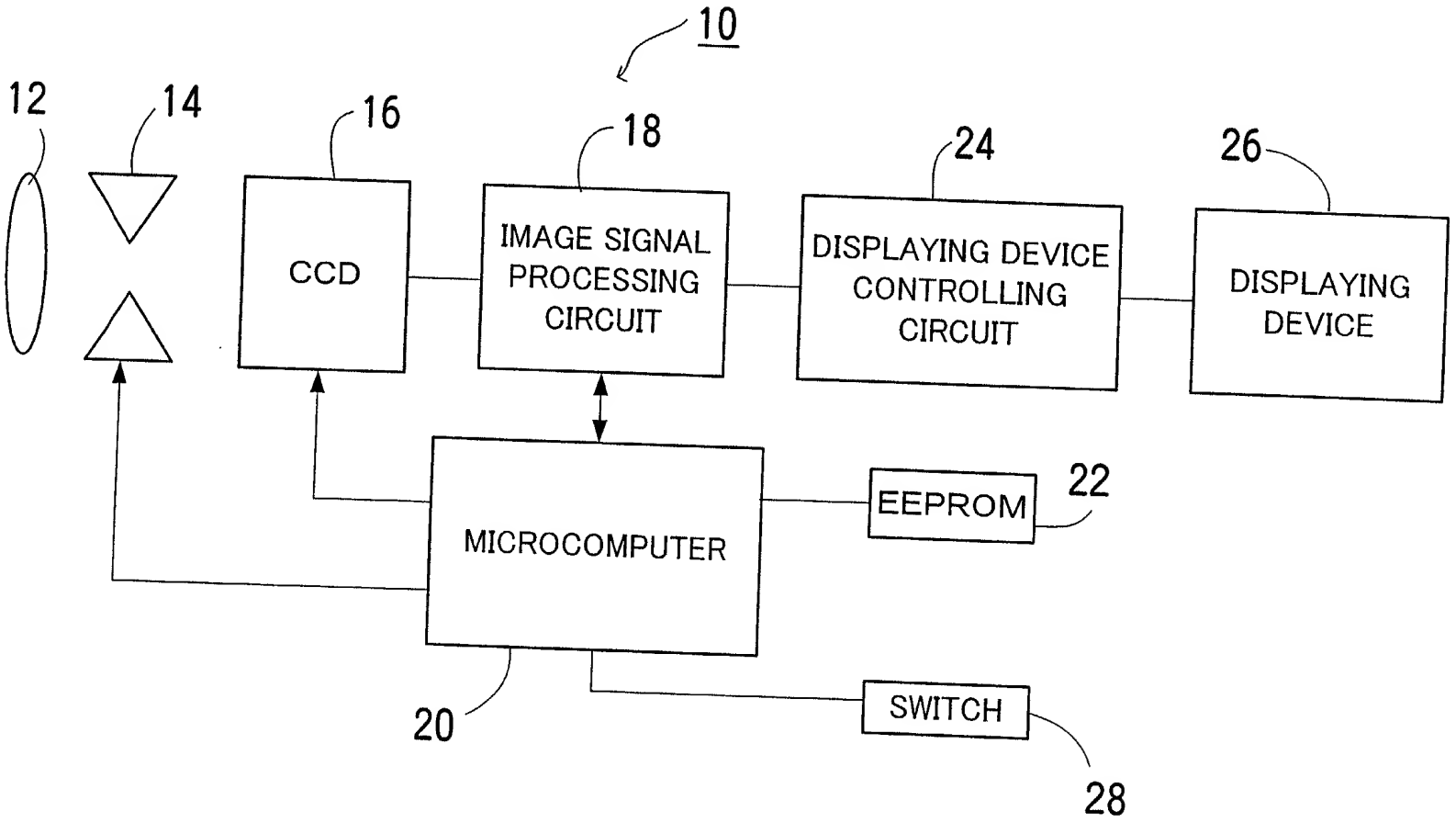


FIG. 2

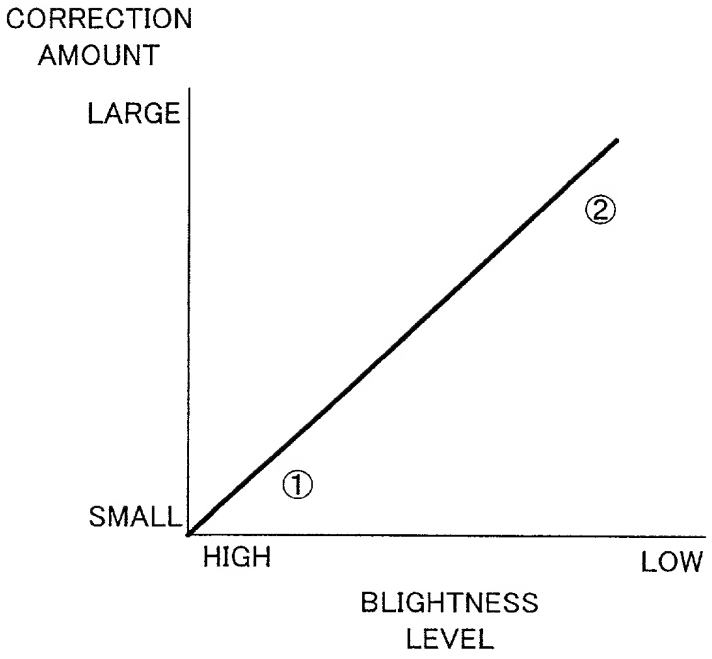
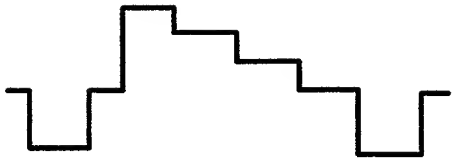
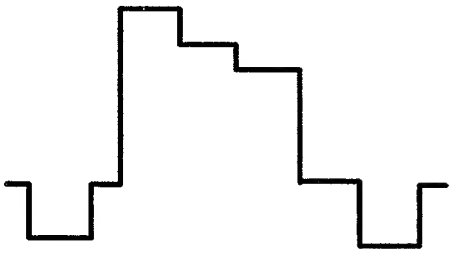


FIG. 3 (a)



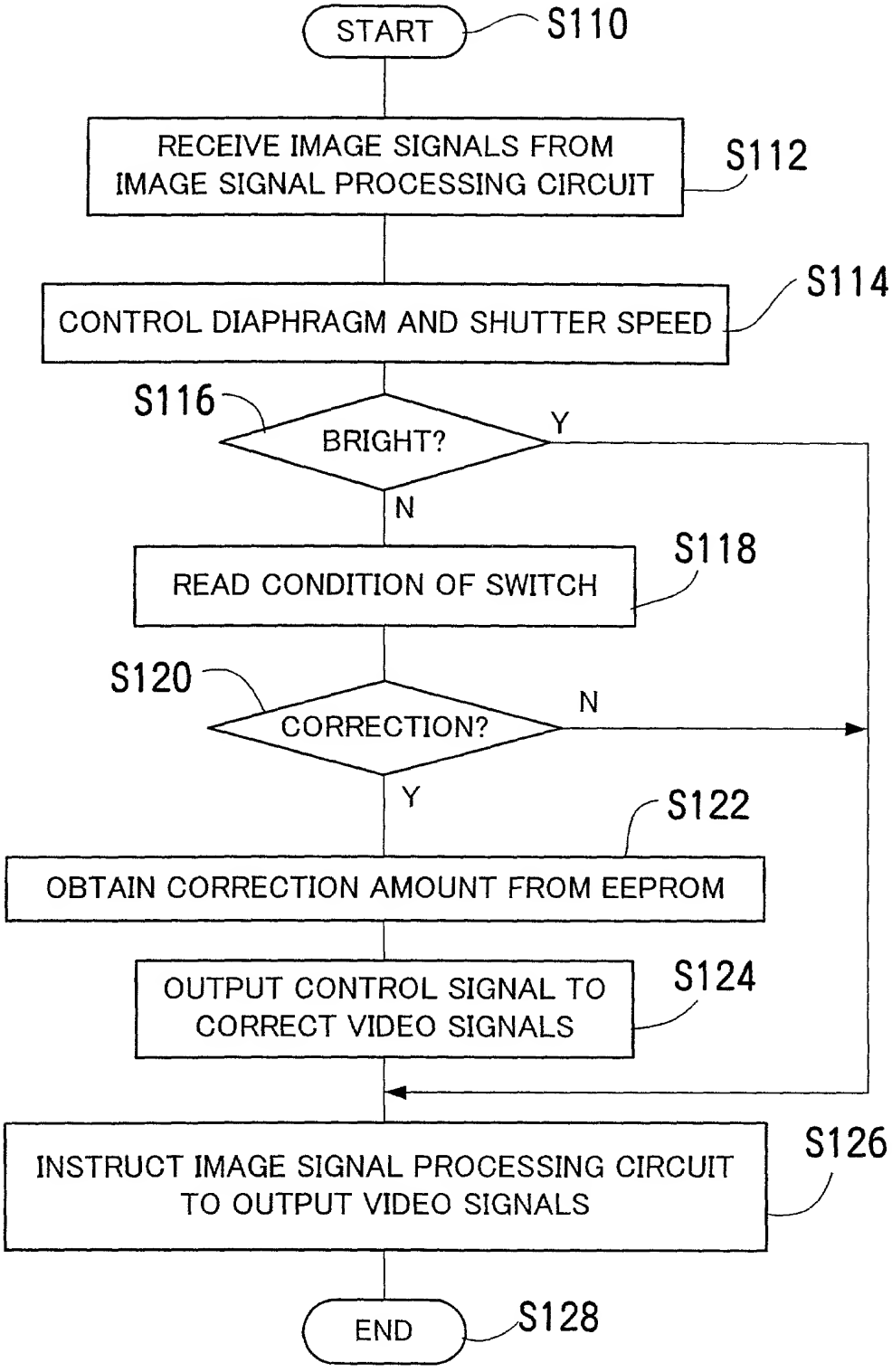
BEFORE
CORRECTION

FIG. 3 (b)



AFTER
CORRECTION

FIG. 4


START
S110
RECEIVE IMAGE SIGNALS FROM IMAGE SIGNAL PROCESSING CIRCUIT
S112
CONTROL DIAPHRAGM AND SHUTTER SPEED
S114
S116
BRIGHT?
Y
N
READ CONDITION OF SWITCH
S118
S120
CORRECTION?
N
Y
S122
OBTAIN CORRECTION AMOUNT FROM EEPROM
OUTPUT CONTROL SIGNAL TO CORRECT VIDEO SIGNALS
S124
INSTRUCT IMAGE SIGNAL PROCESSING CIRCUIT TO OUTPUT VIDEO SIGNALS
S126
END
S128

PATENT APPLICATION

FIG. 5

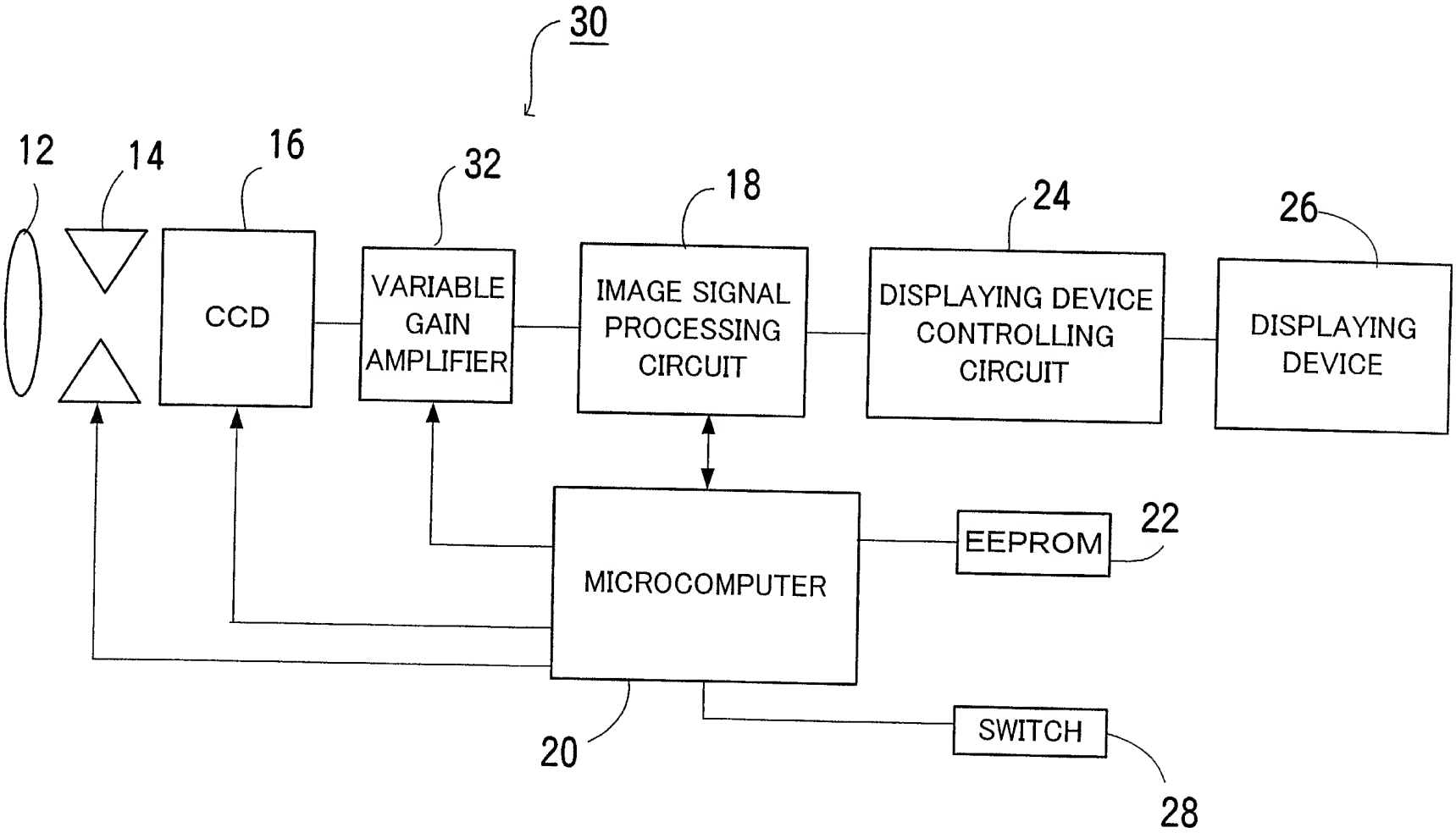
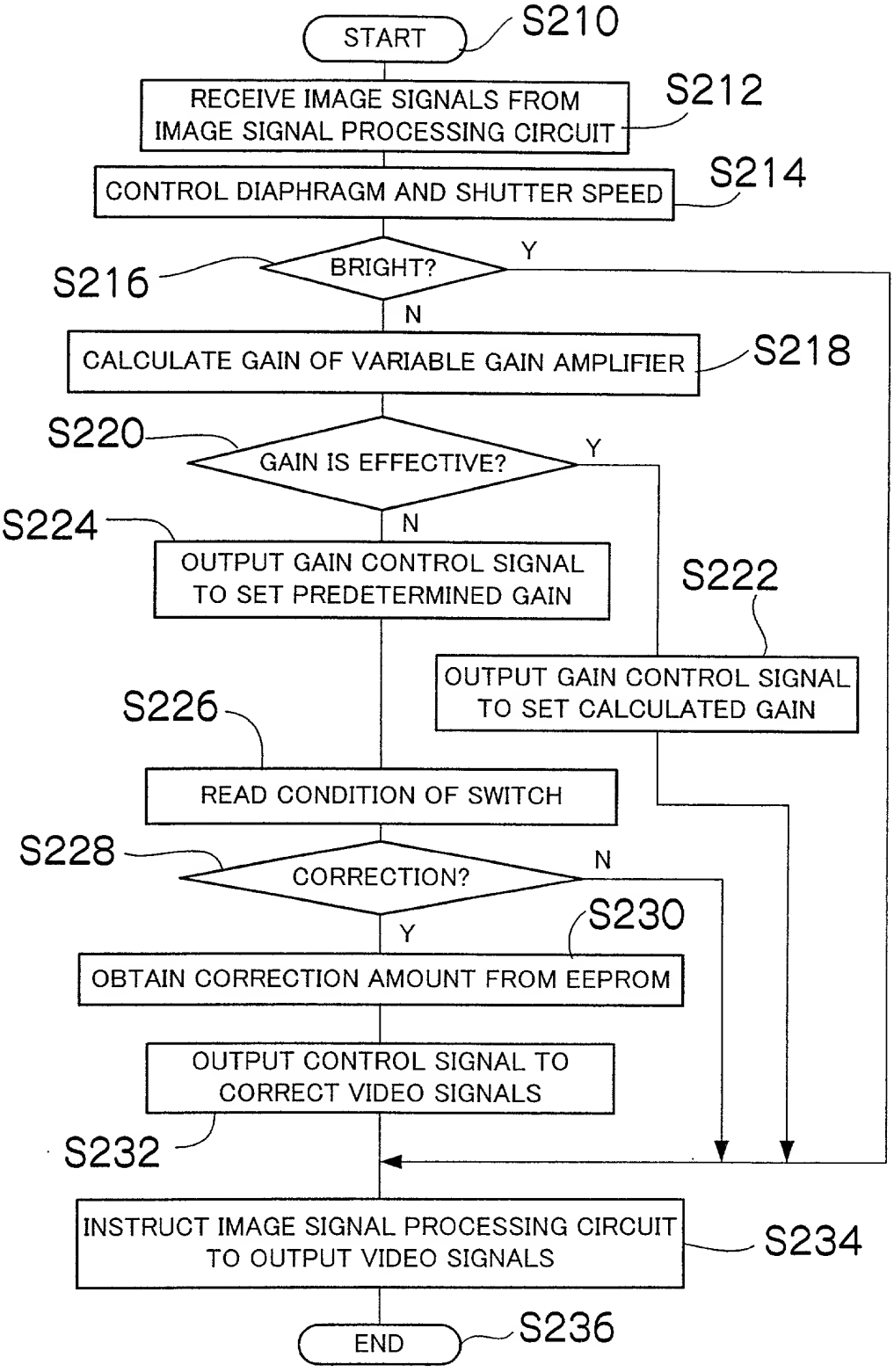


FIG. 6


START
S210
RECEIVE IMAGE SIGNALS FROM IMAGE SIGNAL PROCESSING CIRCUIT
S212
CONTROL DIAPHRAGM AND SHUTTER SPEED
S214
BRIGHT?
S216
Y
N
CALCULATE GAIN OF VARIABLE GAIN AMPLIFIER
S218
GAIN IS EFFECTIVE?
S220
Y
N
OUTPUT GAIN CONTROL SIGNAL TO SET PREDETERMINED GAIN
S224
OUTPUT GAIN CONTROL SIGNAL TO SET CALCULATED GAIN
S222
READ CONDITION OF SWITCH
S226
CORRECTION?
S228
N
Y
OBTAIN CORRECTION AMOUNT FROM EEPROM
S230
OUTPUT CONTROL SIGNAL TO CORRECT VIDEO SIGNALS
S232
INSTRUCT IMAGE SIGNAL PROCESSING CIRCUIT TO OUTPUT VIDEO SIGNALS
S234
END
S236